



Pre-op Planning

3mensio vascular™

Dedicated to planning of Endovascular Interventions




PIE MEDICAL
IMAGING

solutions in
cardiovascular
analysis

OPTIMIZE YOUR PRE-OP WORKFLOW

What would you say if you were offered a mobile and accessible solution for planning of endovascular interventions? A solution that offers advanced 3D visualization tools, makes performing precision measurements easy and lets you complete the stent order sheets in no time?



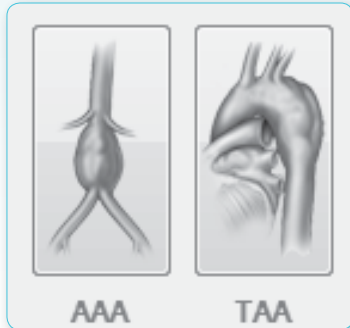
3mensio Vascular™ does exactly that because it was designed with and for vascular specialists. With this imaging application you obtain full ownership of your pre-op analysis; sizing, planning and reporting. Simply follow one of the dedicated workflows and decide if minimally invasive surgery is suitable and which endoprosthesis to use.



Speed

Dedicated Workflow Assistants

Select a dedicated workflow assistant to quickly but thoroughly analyze with focus on the AAA or TAA.



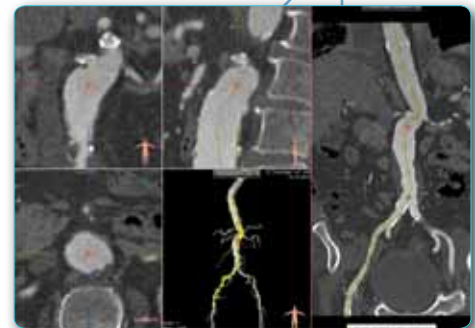
One-click Vessel Segmentation

Quickly focus on the aorta and its side branches by getting rid of the surrounding structures and tissue with just one click.



Automatic Center Lumen Line Detection

3mensio Vascular™ will automatically detect the center lumen line. You can view the centerline in 3 axial views and a snake view to adjust it manually.



Measurements

Stretched Views

This view presents the center lumen line as a straight line, allowing you to easily and precisely perform length and volume measurements. Furthermore, the stretched view provides one overview of diameters, calcifications and tortuosity.

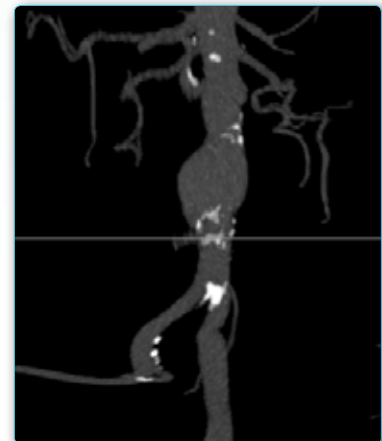
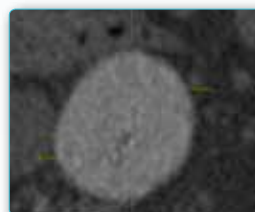
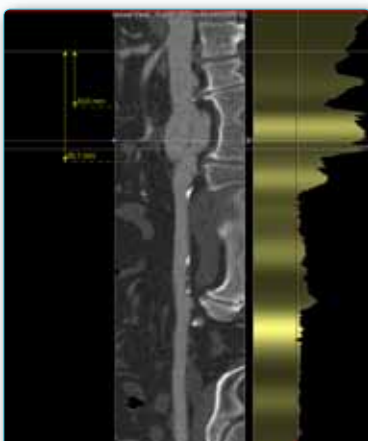
Diameter & Length measurements

Simply select a stent order sheet and fill in all necessary measurements, such as perpendicular

vessel diameters, lengths and angulations of the aneurysm neck.

Assess the Anatomy

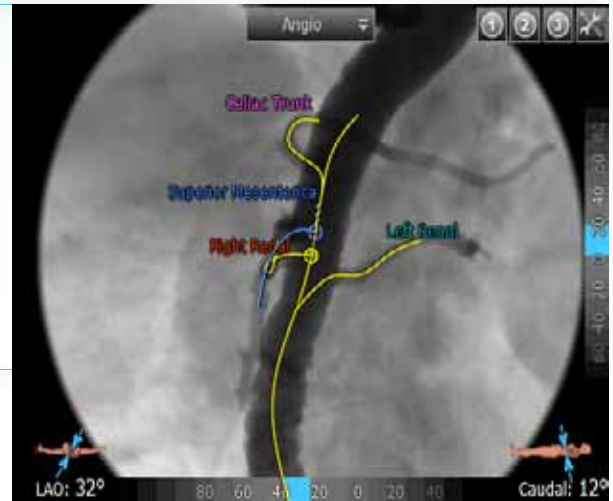
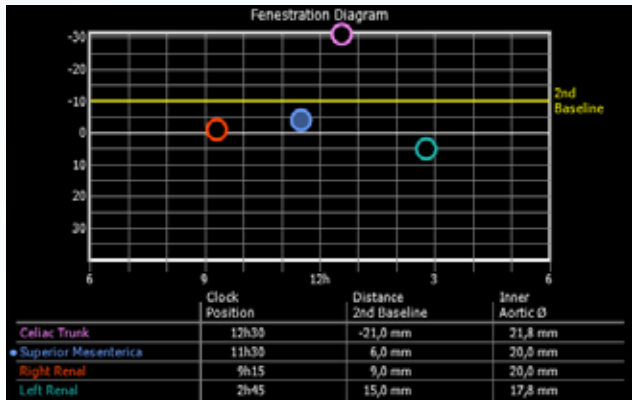
- > Inspect calcifications
- > Determine the optimal C-arm position with the simulated Angio View to save time and contrast during the procedure



Fenestrated stents

The fenestrated planning tools provide all that you need for fenestrated stent cases. After indicating the target vessels, the software will automatically create centerlines in these vessels. This allows you to determine the details of the fenestrated stent.

- > Indicate the target vessels such as the celiac trunk, SMA and left and right renal artery
- > Create a scheme of the clock positions, heights and diameters of the fenestrations
- > Prepare the procedure with the simulated Angio View



Iliac Bifurcation

For the planning of the Iliac Bifurcation Devices (IBD) additional functionality is available in the 3mensio Vascular. After indicating the target vessels, the software will automatically create centerlines in these vessels. This allows you to determine the details of the iliac internal and external.

- > Link the centerline to the correct anatomic structure
- > Determine the stent size and landing zone in the proximal and both distal branches
- > Prepare the procedure with the simulated Angio View

Reporting

Customized report

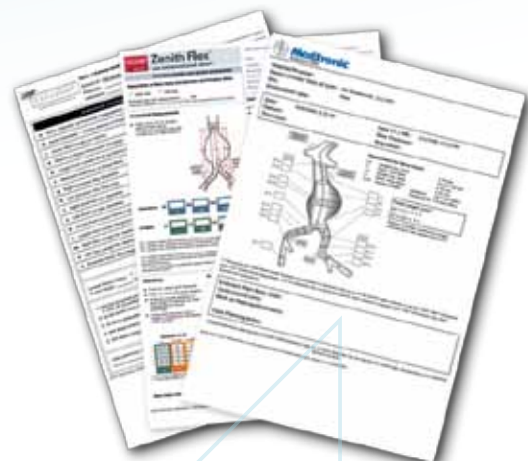
Relevant images and measurements can be quickly and easily grouped into a concise report.

Stent Order Sheets

Select one of the many integrated manufacturer specific stent order sheets, fill them out with just a few clicks and immediately email them in PDF format.

Review Interactive eports on your iPad

Open the report in the 3mensio Report app to view the interactive 3D view of the vessel, the stretched view and the interactive simulated Angio View. All of your measurements, screenshots and the stent template will be included.



Usability is key

Dedicated workflow assistants

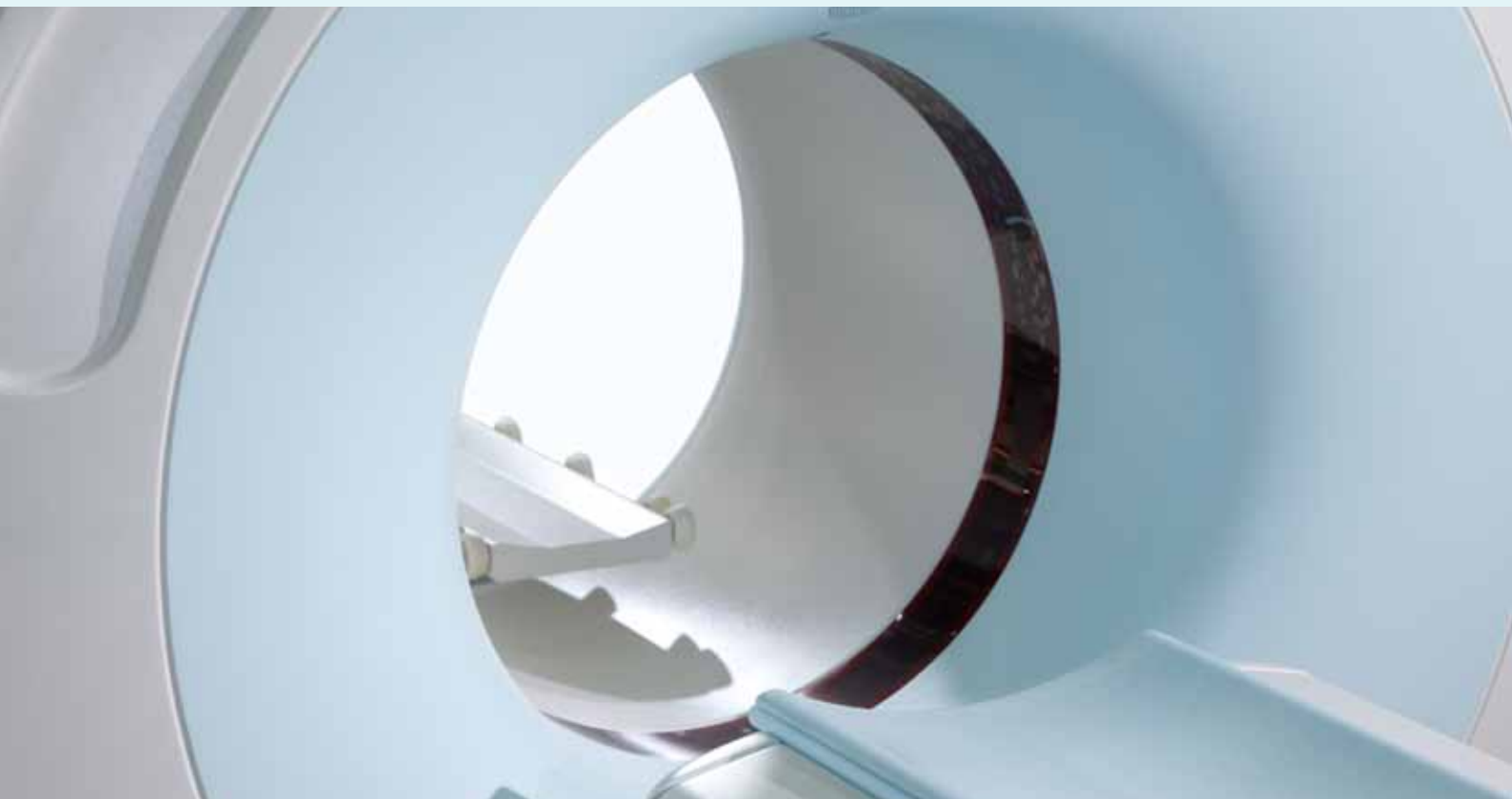
After selecting the desired workflow, you will be guided through the preparations for measurements.

Direct data import

3mensio Vascular™ works with all major medical imaging formats of US/echo, XA and CTA and can access multiple data stores on the network, CD, DVD, USB or the internet. Connecting to your PACS is as easy as can be.

Installation

The 3mensio Vascular™ software can be installed on virtually any modern Windows-based laptop or desktop, eliminating the need for specialized hardware and facilitating communication with your patients.



Speed up your workflow

- > Practical workflow assistants
- > Intuitive graphical user interface
- > Easily compose your own reports
- > Import CTA images from CD, DVD, USB, or connect to a PACS

Pre-op planning

- > For AAA, TAA and aneurysms in other vessels
- > One-click vessel segmentation
- > Automatic lumen center line detection
- > Diameters, lengths, calcifications and tortuosity in one overview
- > Dedicated planning for fenestrated stents and iliac bifurcation devices (IBD)



**PIE MEDICAL
IMAGING**

solutions in cardiovascular analysis

Pie Medical Imaging stands for:

- > The gold standard in Quantitative Analysis software
- > Extensively validated for patient care
- > Accurate and reproducible analysis results
- > Fast and intuitive operation
- > Expertise in cardiovascular quantitative analysis software

Quality Assurance:

Pie Medical Imaging develops, produces and sells its products in accordance with international accepted standards. This product is CE marked and FDA 510(k) cleared.

Quality Management System complies with:

- > ISO 13485
- > FDA Quality System Regulation
- > Canadian CAN/CSA ISO 13485

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